



# **SALMON-3 PEA I MMX Neutron & Gamma-Ray Spectrometer Pre-Proposal Conference**

This teleconference will start at 1:00 PM EDT

*Please identify yourself and your organization by sending a Webex  
Chat Message to Julie Hurley*

*Please mute your phones*

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# Introduction

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## Goals of the MMX NGRS Preproposal Conference

- Provide relevant information regarding the Martian Moons eXploration (MMX) mission Neutron and Gamma-Ray Spectrometer (NGRS) Program Element Appendix (PEA) I to the Third Stand Alone Missions of Opportunity Notice (SALMON-3) Announcement of Opportunity (AO) solicitation to the proposing community.
- Address general questions.
- Offer clarity to sections of associated documents as required.



# Today's Teleconference

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## Process for Questions

This is your opportunity to improve your understanding of the AO language and the proposal generation and evaluation processes.

Opportunities for Q&A today are as follows:

- We will have 3 opportunities to answer submitted questions following each set of related presentations, plus a general Q&A at the end.
- Feel free to submit written questions at any time to **Julie Hurley** via the Webex Chat feature. Please indicate to whom you are addressing the question.
- Questions over the phone (i.e., by voice) will be taken only during the general Q&A, after all presentations.
- All Q&A will be captured by a note taker and posted to the MMX NGRS Q&As on the MMX NGRS Acquisition Homepage at <https://soma.larc.nasa.gov/mmx>

All workshop presentations will also be posted on the MMX NGRS Acquisition Homepage

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# Agency Representatives

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NASA HQ: Thomas Statler, SMD/PSD  
Michael New, SMD/PSD  
Shannon Ewan, OIIR  
Juan Santos, OIIR

NASA LaRC: Waldo Rodriguez, SOMA

NASA MSFC: TBD, PMPO

JAXA: Masaki Fujimoto  
Hisashi Otake  
Takane Imada

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# Introduction to Missions of Opportunity



Michael New  
Discovery Program Scientist

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# Missions of Opportunity

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## What is a Mission of Opportunity (MO)?

- A MO is a focused space flight investigation that offers high scientific, exploration, or technical value for a modest cost to NASA.
- NASA invites proposals for MOs through the Stand-ALone Mission of Opportunity Notice (SALMON).
  - Recent examples include the Astrophysics Explorers, Earth Venture Instruments, and instruments for the JUICE and Europa missions.
  - The Third Stand-ALone Mission of Opportunity Notice (SALMON-3) was released in March 2017.
- The MMX NGRS notice is a Focused Mission of Opportunity (FMO), i.e., an investigation that addresses a specific, NASA-identified flight opportunity – in this case, for a neutron & gamma-ray spectrometer to fly on JAXA's MMX mission.



# Program Element Appendices

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## What is a Program Element Appendix (PEA)?

- A PEA is an Appendix of the SALMON-3 AO announcing a specific opportunity.
- The MMX NGRS is solicited through PEA I.
- All proposers must read both the MMX NGRS PEA I and the SALMON-3 AO carefully, and must comply with the requirements and constraints contained within the two documents.
- The MMX NGRS PEA I replaces, supersedes and clarifies some of the information in SALMON-3 AO, but not all of the information required to propose is contained in the PEA.



# Governing Documents

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## Relationship Between this Conference and the Governing Documents

The SALMON-3 AO and the MMX NGRS PEA I are the **governing** documents.

- This workshop's purpose is to provide an overview of some important aspects of the solicitation.
- In the event of a discrepancy between these documents and anything that you hear or see in today's presentations, the documents take precedence, noting that the PEA takes precedence over the SALMON-3 AO.
- Also, the solicitation is final, and will not be modified as a consequence of clarification or responses to questions.



# General Disclaimer

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Any costs incurred by prospective investigators in preparing submissions in response to this PEA to the SALMON-3 AO are incurred completely at the submitter's own risk.